



barker matched filter

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MH ACKROYD, F GHANI - IEEE Transactions on Aerospace and Electronic Systems, 1973 - csa.com

... A **filter** which completely suppresses the range sidelobes of a 13-element **Barker** sequence is only 0.2 dB worse than a **matched filter** in noise.

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Analysis of LIGO data for gravitational waves from binary neutron stars - group of 17 »

... , BC Barish, D **Barker**, C **Barker**-Patton, M Barnes, ... - Physical Review D, 2004 - APS  
 ... Balasubramanian, 7 S. Ballmer, 14 BC Barish, 13 D. **Barker**, 15 C. **Barker**-Patton, 15 M ... In this expression,  $x(t)$  is the **matched filter** response to the a50 waveform hcl ...

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Single-voxel proton MRS of the human brain at 1. 5 T and 3. 0 T - group of 5 »

PB **Barker**, DO Hearshen, MD Boska - Magnetic Resonance in Medicine, 2001 - doi.wiley.com

... **Barker** et al. ... the higher field strength could be improved by using a larger linebroadening, closer to that of the metabolite linewidth (ie, a **matched filter** ( ...

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The performance of a direct-sequence spread ultrawideband system in the presence of multipath, ...

JR Foerster - Ultra Wideband Systems and Technologies, 2002. Digest of ..., 2002 - ieeexplore.ieee.org

... Then the sampled output of the pulse **matched filter** can be written as The multiple access interference can be written as  $y(m + pT + lT)$ ,  $Y_{m,p} = 1/r_{n,p}$  ...

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Spread spectrum modem - group of 2 »

SM Chow, PF Lee... - US Patent 4,481,640, 1984 - Google Patents

... The output signal of each **matched filter** is comprised of the auto -correlation function of the **Barker** or other sequence modulating the subcarrier. FIG. ...

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An introduction to **matched filters**

G Turin - Information Theory, IEEE Transactions on, 1960 - ieeexplore.ieee.org

... II. DEFINITION OF A **MATCHED FILTER** If  $s(t)$  is any physical waveform, then a **filter** which is **matched** to  $s(t)$  is, by definition, one with impulse response ...

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High speed bidirectional digital cable transmission system - group of 2 »

TM Paff, H Graham - US Patent 5,553,064, 1996 - Google Patents

... The baseband signals are then applied through a trans -versal **matched Barker** code **filter** 102 which is provided coefficients for the 64 stages of the **filter** and ...

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### Optimal peak sidelobe filters for biphasic pulse compression - group of 3 »

JM Baden, MN Cohen - Radar Conference, 1990., Record of the IEEE 1990 ..., 1990 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... 2 > s. (13) Page 3 20 Bit MPS Code **Matched Filter** 30 20 i ... Figure 2 shows sidelobe performance as a function of filter length for the 13 bit **Barker** code for ...

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A new algorithm to optimize **Barker** code sidelobe suppression filters - group of 5 »

CX Hua, J Oksman - Aerospace and Electronic Systems, IEEE Transactions on, 1990 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... A New Algorithm to Optimize **Barker** Code Sidelobe Suppression **Filters** Binary coding waveform sidelobe reduction after **matched** filtering is an active research ...

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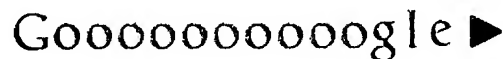
Event driven interface for a system for monitoring and controlling a data communications network - group of 3 »

PC Hershey, KJ **Barker**, CS Lingafelt Sr, JG ... - US Patent 5,365,514, 1994 - Google Patents

... FOR MONITORING AND CONTROLLING A DATA COMMUNICATIONS NETWORK [75]  
Inventors: Paul

C. Hershey, Manassas, Va.; Kenneth J. **Barker**, Gary; Charles ... **FILTER MEMORY RAM** ...

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